

We claim:

1. In a rewritable storage medium, a method for changing a playback speed of a selected video segment containing field pictures which has been recorded on a portion of said storage medium comprising the steps of:
modifying said selected video segment for a changed playback speed; and
recording said modified video segment on said portion of said medium.

2. The method according to claim 1, wherein said recording step further comprises the step of recording said modified video segment exclusively on said portion of said medium.

3. The method according to claim 1, further comprising the step of deleting a plurality of non-video packs in said selected video segment to reduce an amount of data contained in said modified video segment.

4. The method according to claim 1, further comprising the step of reducing a resolution of at least one field picture contained in said modified video segment.

1 5. The method according to claim 1, further comprising the step of
2 lowering a bit rate of said modified video segment during said recording
3 step.

1 6. The method according to claim 1, wherein said selected video
2 segment is comprised of intra and non-intra field pictures.

1 7. The method according to claim 6, wherein said modification step
2 comprises the step of inserting into said selected video segment at least one
3 of the group consisting of dummy field pictures and repeat field pictures.

1 8. The method according to claim 7, wherein the number of said dummy
2 field pictures and said repeat field pictures inserted into said selected video
3 segment is based on said changed playback speed.

1 9. The method according to claim 8, further comprising the step of
2 selectively decoding and re-encoding said modified video segment for
3 conventional placement of said intra and non-intra field pictures, said
4 dummy field pictures and said repeat field pictures.

1 10. The method according to claim 1, wherein said modification comprises
2 the step of removing at least one field picture from said selected video
3 segment.

1 11. The method according to claim 10, wherein the number of said field
2 pictures removed from said selected video segment is based on said
3 changed playback speed.

1 12. A system for changing a playback speed of a selected video segment
2 containing field pictures recorded on a rewritable storage medium,
3 comprising:

4 storage medium reading circuitry for selectively reading a video
5 segment which has been recorded on a portion of said rewritable storage
6 medium;
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8 a video processor for modifying said selected video segment for a
9 changed playback speed and for providing a modified video segment; and
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1 video recorder circuitry for recording said modified video segment on
2 said portion of said storage medium.

1 13. The system according to claim 12, wherein said video recording
2 circuitry records said modified video segment exclusively on said portion of
3 said storage medium.

1 14. The system according to claim 12, wherein said video processor
2 deletes a plurality of non-video packs in said selected video segment to
3 reduce an amount of data contained in said modified video segment.

1 15. The system according to claim 12, wherein said video processor
2 reduces a resolution of at least one frame contained in said modified video
3 segment.

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2 16. The system according to claim 12, wherein said video processor lowers
3 a bit rate during recording of said modified video segment.

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2 17. The system according to claim 12, wherein said video segment is
3 comprised of intra and non-intra field pictures.

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2 18. The system according to claim 17, wherein said video processor inserts
3 into said selected video segment at least one of the group consisting of
dummy field pictures and repeat field pictures.

1 19. The system according to claim 18, wherein the number of said dummy
2 field pictures and said repeat field pictures inserted into said selected video
3 segment is based on said changed playback speed.

1 20. The system according to claim 19, wherein said video processor
2 selectively decodes and re-encodes said modified video segment for

- 3 conventional placement of said intra and non-intra field pictures, said
4 dummy field pictures and said repeat field pictures.

- 1 21. The system according to claim 12, wherein said video processor
2 removes at least one field picture from said selected video segment.

- 1 22. The system according to claim 21, wherein the number of said field
2 pictures removed from said selected video segment is based on said
changed playback speed.